READEX FICHE best.c

11-5820-498-20P

TECHNICAL MANUAL

ORGANIZATIONAL MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LIST

FOR

RADIO SETS AN/VRC-53 (NSN 5820-00-223-7467), AN/VRC-64 (NSN 5820-00-223-7475), AN/GRC-125 (NSN 5820-00-223-7411), AND AN/GRC-160 (NSN 5820-00-223-7473) AND AMPLIFIER, POWER SUPPLY GROUPS OA-3633/GRC AND OA-3633A/GRC (PARTS LIST FOR OA-3633/GRC AND OA-3633A/GRC (NSN 5820-00-973-3383) ONLY))

HEADQUARTERS, DEPARTMENT OF THE ARMY

4 DECEMBER 1981

py available

TECHNICAL MANUAL
No. 11-5820-498-20P

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, DC, *4 December 1981*

ORGANIZATIONAL MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LIST FOR RADIO SETS AN/VRC-53 (NSN 5820-00-223-7467), AN/VRC-64 (NSN 5820-00-223-7475), AN/GRC-125 (NSN 5820-00-223-7411), AND AN/GRC-160 (NSN 5820-00-223-7473) AND AMPLIFIER, POWER SUPPLY GROUPS OA-3633/GRC AND OA-3633A/GRC (PARTS LIST FOR OA-3633/GRC AND OA-3633A/GRC (NSN 5820-00-973-3383) ONLY))

Current as of 7 August 1981

REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this manual. If you find any mistakes or if you know of a way to improve the procedures, please let us know. Mail your letter or DA Form 2028 (Recommended Changes to Publications and Blank Forms) direct to: Commander, US Army Communications-Electronics Command, ATTN: DRSEL-ME-MQ, Fort Monmouth, NJ 07703. A replay will be furnished direct to you.

Table of Contents

			Page	Illus Figure
SECTION	I.	Introduction	1	
	II.	Repair Parts List	5	
Group	00	Radio Sets AN/VRC-53, AN/VRC-64, AN/GRC-125 and AN/GRC-160 (No parts authorized)		
	01	Receiver-Transmitter RT-505/PRC-25 (See TM 11-5820-398-12 for parts) and Receiver-Transmitter RT-841/PRC-77 (See TM 11-5820-667-12 for parts)		
	02	Amplifier-Power Supply Groups OA-3633/GRC and OA-3633A/GRC	5	1
	0201	Amplifier-Power Supplies AM-2060/GRC and AM-2060A/GRC	7	2
	020101	Connector Assembly (A1A1) (No parts authorized)		
	020102	Cover Assembly (A1A2) (No parts authorized)		
	020103	Housing Assembly (A1A3) (No parts authorized)		
	020104	Module Assembly (A1A4) (No parts authorized)		
	02010401	Terminal Board Assembly (A1A4A1) (No parts authorized)		
	03	Antenna AS-1729/VRC (See TM 11-5985-262-20P for parts)		
SECTION	III.	Special Tools List (Not applicable)		
	IV.	National Stock Number and Part Number Index	8	

*This manual supersedes TM 11-5820-498-20P, 22 March 1977.

SECTION I

INTRODUCTION

1. Scope

This manual lists spares and repair parts; special tools; special test, measurement, and diagnostic equipment (TMDE), and other special support equipment required for performance of organizational maintenance of the OA-3633/GRC and OA-3633A/GRC. It authorizes the requisitioning and issue of spares and repair parts as indicated by the source and maintenance codes.

2. General

This Repair Parts and Special Tools List is divided into the following sections:

a. Section II. Repair Parts List. A list of spares and repair parts authorized for use in the performance of maintenance. The list also includes parts which must be removed for replacement of the authorized parts. Parts lists are composed of functional groups in numeric sequence, with the parts in each group listed in figure and item number sequence.

b. Section III. Special Tools List. Not applicable.

c. Section IV. National Stock Number and Part Number Index. A list, in National item identification number (NIIN) sequence, of all National stock numbers (NSN) appearing in the listings, followed by a list, in alphameric sequence, of all part numbers appearing in the listings. National stock numbers and part numbers are cross-referenced to each illustration figure and item number appearance.

3. Explanation of Columns

a. Illustration. This column is divided as follows:

(1) *Figure number.* Indicates the figure number of the illustration on which the item is shown.

(2) *Item number.* The number used to identify item called out in the illustration.

b. Source, Maintenance, and Recoverability (SMR) Codes.

(1) *Source code.* Source codes indicate the manner of acquiring support items for maintenance, repair, or overhaul of end items. Source codes are entered in the first and second positions of the Uniform SMR Code format as follows:

Code	*Definition*
PA—	Item procured and stocked for anticipated or known usage.
XD—	A support item that is not stocked. When required, item will be procured through normal supply channels.

NOTE

Cannibalization or salvage may be used as a source of supply for any items source coded above except those coded XA and aircraft support items as restricted by AR 700-42.

(2) *Maintenance code.* Maintenance codes are assigned to indicate the levels of maintenance authorized to USE and REPAIR support items. The maintenance codes are entered in the third and fourth positions of the Uniform SMR Code format as follows:

(a) The maintenance code entered in the third position will indicate the lowest maintenance level authorized to remove, replace, and use the support item. The maintenance code entered in the third position will indicate one of the following levels of maintenance:

Code	*Application/Explanation*
O—	Support item is removed, replaced, used at the organizational level.

(b) The maintenance code entered in the fourth position indicates whether the item is to be repaired and identifies the lowest maintenance level with the capability to perform complete repair (i.e., all authorized maintenance functions). This position will contain one of the following maintenance codes:

Code	*Application/Explanation*
D—	The lowest maintenance level capable of complete repair of the support item is the depot level.
Z—	Nonreparable. No repair is authorized.

(3) *Recoverability code.* Recoverability codes are assigned to support items to indicate the disposition action on unserviceable items. The recoverability code is entered in the fifth position of the Uniform SMR Code format as follows:

Recoverability codes	*Definition*
Z—	Nonreparable item. When unserviceable, condemn and dispose at the level indicated in position 3.
D—	Reparable item. When beyond lower level repair capability, return to depot. Condemnation and disposal not authorized below depot level.

c. National Stock Number. Indicates the National stock number assigned to the item and will be used for requisitioning purposes.

d. Federal Supply Code for Manufacturer (FSCM). The FSCM is a 5-digit numeric code listed in SB 708-41/42 which is used to identify the manufacturer, distributor, or Government agency, etc.

e. Part Number. Indicates the primary number used by the manufacturer (individual, company, firm, corporation, or Government activity), which controls the design and characteristics of the item by means of its engineering drawings, specifications, standards, and inspection requirements to identify an item or range of items.

NOTE

When a stock numbered item is requisitioned, the repair part received may have a different part number than the part being replaced.

f. Description. Indicates the Federal item name and, if required, a minimum description to identify the item.

g. Unit of Measure (U/M). Indicates the standard of the basic quantity of the listed item as used in performing the actual maintenance function. This measure is expressed by a two-character alphabetical abbreviation (e.g., ea, in, pr, etc). When the unit of measure differs from the unit of issue, the lowest unit of issue that will satisfy the required units of measure will be requisitioned.

h. Quantity Incorporated in Unit. Indicates the quantity of the item used in the breakout shown on the illustration figure, which is prepared for a functional group, subfunctional group, or an assembly.

4. Special Information

a. The following publications pertain to the OA-3633/GRC and OA-3633A/GRC and its components:

TM 11-5820-398-12, Radio Set AN/PRC-25 (Including Receiver-Transmitter, Radio RT-505/PRC-25)

TM 11-5820-398-20P, Radio Set AN/PRC-25

TM 11-5820-498-12, Radio Sets AN/VRC-53, AN/VRC-64, AN/GRC-125, and AN/GRC-160, and Amplifier-Power Supply Groups OA-3633/GRC and OA-3633A/GRC

TM 11-5820-667-12, Radio Set AN/PRC-77 (Including Receiver-Transmitter, Radio RT-841/PRC-77)

TM 11-5820-667-20P, Radio Set AN/PRC-77

TM 11-5985-262-15, Antenna AS-1729/VRC

TM 11-5985-262-20P, Antenna AS-1729/VRC

b. The illustrations in this manual are identical to those published in TM 11-5820-498-34P. Only those parts assigned the third position SMR maintenance code "C" or "O" are listed in the tabular listing; therefore, there may be a break in the item number sequence. Only illustrations containing organizational authorized items appear in this manual.

5. How to Locate Repair Parts

a. When National stock number or part number is unknown.

(1) *First.* Using the table of contents, determine the functional group within which the item belongs. This is necessary since illustrations are prepared for functional groups and listings are divided into the same groups.

(2) *Second.* Find the illustration covering the functional group to which the item belongs.

(3) *Third.* Identify the item on the illustration and note the illustration figure and item number of the item.

(4) *Fourth.* Using the Repair Parts Listing, find the figure and item number noted on the illustration.

b. When National stock number or part number is known.

(1) *First.* Using the Index of National Stock Numbers and Part Numbers, find the pertinent National stock number or part number. This index is in NIIN sequence followed by a list of part numbers in alphameric sequence, cross-referenced to the illustration figure number and item number.

(2) *Second.* After finding the figure and item number, locate the figure and item number in the repair parts list.

6. Abbreviations

Not applicable.

(Next printed page is 4)

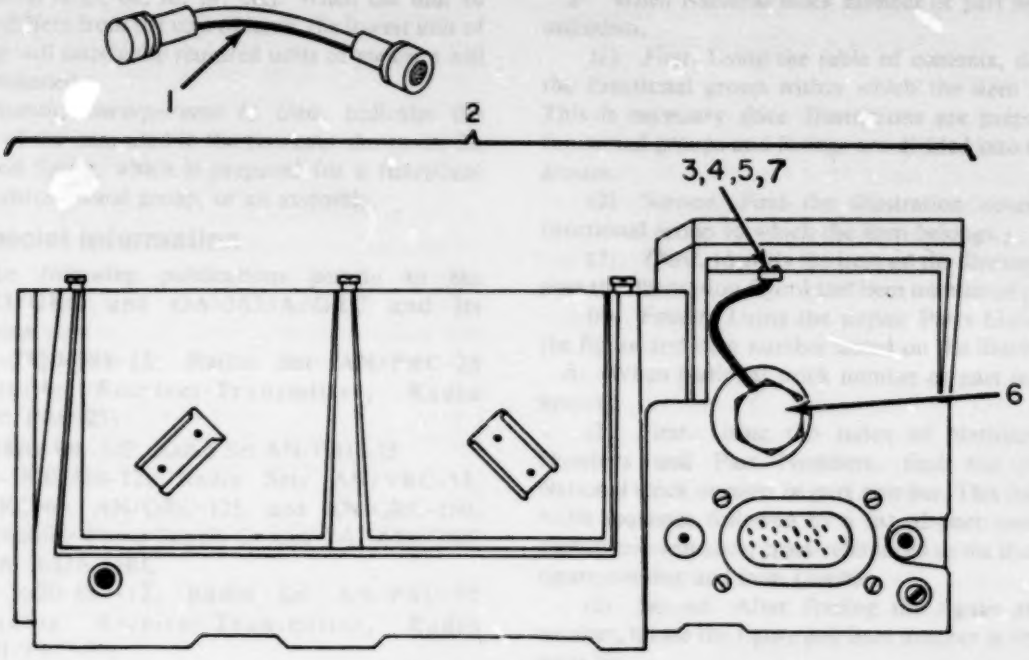

Figure 1. Amplifier-Power Supply Groups OA-3633/GRC and OA-3633A/GRC

(1) ILLUSTRATION (a) FIG NO.	(1) ILLUSTRATION (b) ITEM NO.	(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4) FSCM	(5) PART NUMBER	(6) DESCRIPTION USABLE ON CODE	(7) U/M	(8) QTY INC IN UNIT
						GROUP 02 AMPLIFIER-POWER SUPPLY GROUPS		
						OA-3633/GRC AND OA-3633A/GRC		
1	1	PAOZZ	5995-00-889-1061	80058	CX-4655/GRC 11IN	CABLE ASSEMBLY,SPE	EA	1
1	2	PAOOO	5820-00-973-3384	80058	AM-2060A/GRC	AMPLIFIER POWER	EA	1
1	3	XDOZZ	5310-00-205-8261	80063	SH-8-454876-2	WASHER,FLAT	EA	1
1	4	PAOZZ	3120-00-973-1508	80063	SH-B-447392	BUSHING,SLEEVE	EA	1
1	5	XDOZZ	5310-00-978-8573	80063	SN8454876-7	WASHER,LOCK	EA	1
1	6	PAGZZ	5999-00-892-8122	80063	SH-B-454887	CAP,ELECTRICAL	EA	1
1	7	XDOZZ	5305-00-543-2188	96906	MS35223-32	SCREW,MACHINE	EA	1

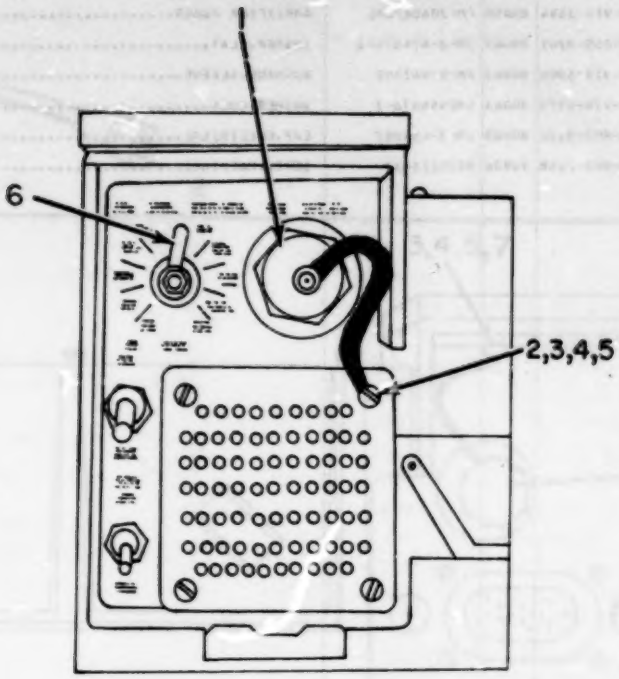

Figure 2. Amplifier-Power Supplies AM-2060/GRC and AM-2060A/GRC

(1) ILLUSTRATION (a) FIG NO.	(1) ILLUSTRATION (b) ITEM NO.	(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4) FSCM	(5) PART NUMBER	(6) DESCRIPTION USABLE ON CODE	(7) U/M	(8) QTY INC IN UNIT
						GROUP 0201 AMPLIFIER-POWER SUPPLIES		
						AM-2060/GRL AND AM-2060A/GRC		
2	1	PAOZZ	5999-00-892-8123	80063	SM-B-454855	CAP,ELECTRICAL	EA	1
2	2	XDOZZ		80063	SM-B-454875-6	SCREW,MACHINE	EA	1
2	3	XDOZZ	5310-00-205-8261	80063	SM-B-454876-2	WASHER,FLAT	EA	2
2	4	PAOZZ	3120-00-973-1508	80063	SM-B-447392	BUSHING,SLEEVE	EA	1
2	5	XDOZZ	5310-00-978-8573	80063	SM-B-454876-7	WASHER,LOCK	EA	1
2	6	PAOZZ	5355-00-616-9659	96906	MS91525-1	KNOB	EA	1

STOCK NUMBER	FIGURE NO.	ITEM NO.
5310-00-205-8261	1	3
5310-00-205-8261	2	3
5305-00-543-2188	1	7
5355-00-616-9659	2	6
5995-00-889-1061	1	1
5999-00-892-8122	1	6
5999-00-892-8123	2	
3120-00-973-1508	1	
3120-00-973-1508	2	
5820-00-973-3384	1	
5310-00-978-8573	1	
5310-00-978-8573	2	

FSCM	PART NUMBER	FIGURE NO.	ITEM NO.
80058	AM-2060A/GRC	1	2
80058	CX-4655/GRC 11IN	1	1
96906	MS35223-32	1	7
96906	MS91525-1	2	6
80063	SM-B-447392	1	4
80063	SM-B-447392	2	4
80063	SM-B-454855	2	1
80063	SM-B-454875-6		
80063	SM-B-454876-2		
80063	SM-B-454876-2		
80063	SM-B-454876-7		
80063	SM-B-454887		
80063	SMB454876-7		

0-498-20P

ITEM NO.
1
4
4
2
5
5

FIGURE NO.	ITEM NO.
2	2
1	3
2	3
2	5
1	6
1	5

By Order of the Secretary of the Army

E. C. MEYER
General, United States Army
Chief of Staff

Official:

ROBERT M. JOYCE
Brigadier General, United States Army
The Adjutant General

DISTRIBUTION:

To be distributed in accordance with DA Form 12-51, Organizational maintenance requirements for AN/VRC-53, AN/VRC-64, AN/GRC-125 and AN/GRC-160.

☆ U.S. GOVERNMENT PRINTING OFFICE : 1989 O - 242-451 / 5800

PIN : 015517-000